

Appl. No.10/665,537
Amendment dated July 2, 2004
Reply to Office Action of March 2, 2004
Attorney Ref. No.: 082137-0306009

I. AMENDMENT

IN THE SPECIFICATION

The title of the application as printed on page 1, line 1, is re-written as follows:

-- FORMALIN-TREATED HUMAN PAPILLOMAVIRUS L1 PROTEIN VACCINE --

IN THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application.

14. (Currently Amended) A vaccine for conferring protection against human papillomavirus (HPV) infection in a human susceptible to human papillomavirus infection which comprises (i) a prophylactically effective amount of an extract composition comprising a formalin-treated human papillomavirus L1 protein and (ii) a pharmaceutically-acceptable carrier.

16. (Original) The vaccine of Claim 14 wherein said human papillomavirus is selected from the group consisting of HPV 1, HPV 2, HPV 3, HPV 4, HPV 6, HPV 7, HPV 10, HPV 11, HPV 12, HPV 16, and HPV 18.

17. (Currently Amended) A method of protecting a human against human PV infection comprising administering a prophylactically effective amount of a vaccine according to Claim 14.

20. (Currently Amended) The method of Claim 17 wherein said administered vaccine comprises a formalin-inactivated treated L1 protein of human papillomavirus selected from the group consisting of HPV 1, HPV 2, HPV 3, HPV 4, HPV 6, HPV 7, HPV 10, HPV 11, HPV 12, HPV 16, and HPV 18.

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21. (New) The vaccine of claim 1, wherein said composition comprises formalin-treated human papillomavirus L1 protein of an extract of cells of a papillomavirus-induced tumor.

22. (New) The method of claim 17, wherein said composition comprises formalin-treated human papillomavirus L1 protein of an extract of cells of a papillomavirus-induced tumor.

23. (New) The vaccine of claim 1, wherein said composition comprises formalin-treated human papillomavirus L1 protein of an extract of cells containing and expressing recombinant DNA encoding said human papillomavirus L1 protein.

24. (New) The method of claim 17, wherein said composition comprises formalin-treated human papillomavirus L1 protein of an extract of cells containing and expressing recombinant DNA encoding said human papillomavirus L1 protein.